



Southern Regional Office (SRO)  
400 W. Congress, Suite 433, Tucson, AZ 85701

**DRAFT Minutes of the  
Shannon Road/El Camino del Cerro Water Quality Assurance Revolving Fund (WQARF)  
Community Advisory Board (CAB) Meeting – 25th Meeting**

June 14, 2006, 6:00 p.m. - 7:30 p.m.  
Nanini Library, Large Meeting Room  
7300 N. Shannon Road, Tucson, Arizona

W-10190.13.6.2

CAB Members Present: Suzy Bjerke, Gary Burchard, Marty Drozdoff, Marc Herman, Al Pesqueira, Gary Pitman, Ellie Towne

CAB Members Absent: Randy Abbey, Terri Hutts, Bob Ornelas

ADEQ Staff Present: Sherri Zendri, Project Manager; Melissa Hayes, Community Involvement Coordinator, Bill Ellett, Acting Superfund Programs Unit Supervisor, Southern Regional Office

Members of the Public Present: Jeff Drumm, Wally Wilson, Glenna Rader, Steve Vaughn, Tina Le Page

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The meeting began at 6:00 p.m.

**1. Call to Order/Introductions**

Gary Pitman, CAB co-chair, welcomed members and conducted introductions.

**2. Approval of Minutes for 4/05/06 CAB Meeting**

Gary Burchard motioned to approve the minutes; Suzy Bjerke seconded. All CAB members were in favor; none were opposed.

**3. Site Investigation Update/Q&A**

Sherri Zendri showed the site map with a close-up view of the plume. She announced that ADEQ was granted access to the former Wrecksperts property off Highway Drive, north of Curtis Road, until the end of June 2007. She said that ADEQ is finalizing some preliminary work on the property, including repairing the fence and removing trees and piles of debris. She said that ADEQ then will conduct a passive soil gas survey. Soil vapor probes will be inserted in the ground eighteen inches deep, will remain in place for two weeks, then removed and analyzed. Other work that ADEQ may conduct on the property will depend on what the passive soil gas results show. This work could include shallow soil samples, soil borings, and excavation in the northeast portion of the property (in the southeast corner of Western Trailer Park), where lead-contaminated soil was found on an unoccupied lot. She said that

ADEQ may also install some groundwater monitor wells on other properties around the Wrecksperts property.

Sherri Zendri said that the Western Stucco/Western Trailer Park properties have been purchased by a Phoenix-based partnership for investment purposes. She said that it is her understanding that the property will be rezoned entirely industrial. She said that the new owner is very cooperative about ADEQ putting in any new wells or conducting any additional site work.

She then reported that the soil vapor extraction system at the former E.C. Winter property off Curtis Road is being installed, and should be constructed by the end of the week. It is estimated that the system will run for approximately 18 months.

She then reviewed the groundwater sampling results for second quarter 2006. She said that well 31, the sentinel well between the South Shannon well and the DeConcini well, had a low-level detection of PCE. She said that the upgrades to the South Shannon well need to be finished and the well turned on. Since the well has not been in use, it appears that contamination has moved beyond the well, but turning the well back on and pumping it again should pull the contamination back again. The system is expected to be fully operational by the end of June, after Metro Water finalizes repairs to the reservoir. The well will initially pump enough to fulfill service requirements; Metro Water will monitor performance, then turn the treatment system up to 750 gallons/minute, 24 hours a day, 7 days a week.

She then showed diagrams illustrating the sampling results and the plume. She said that the shape of the plume has changed by becoming narrow and elongated because of the detection of PCE at well 31. She reviewed graphs showing the trends for total volatile organic compounds (VOCs) and water. She said that overall, as water levels decrease, contaminant levels increase, possibly because there is not as much water to dilute it. She said that there is relative consistency of levels of contaminants over time, which might be explained by the plume being stable and not going anywhere. The wells will continue to be monitored to see if this trend continues. She said that the W-39 and W-40 wells were just installed, and the sampling results should be ready by the next CAB meeting.

#### **4. Presentation: Degradation of Volatile Organic Compounds (VOCs)/Q&A**

Jeff Drumm, Environmental Manager with the City of Tucson Environmental Services, then gave a presentation on the breakdown of VOCs. He said that VOCs are used for different purposes, such as cleaning compounds. He said that some cleaning compounds are categorized as chlorinated aliphatic hydrocarbons, which are manmade compounds with carbon and chlorine molecules. He distributed a list of different cleaning chemicals, including tetrachloroethene (PCE), which was used in drycleaning, and as a degreaser, cleaner and brake cleaner. He said that the compounds have a strong molecular link, which is hard to break down. He explained dense non-aqueous phase liquids (DNAPLs), which mix with water, but are dense enough that they sink.

He then discussed natural attenuation, which is a biotic process where organisms eat carbon, take in oxygen and give off carbon dioxide. The organisms produce enzymes, which wrap around PCE compounds and break down the chlorines, making them inert in the form of chloride salt. The organisms also eat hydrocarbons in areas where a gasoline plume is intermingled with a PCE plume. He gave examples of treatment by microorganisms at City of Tucson's Price Service Center and the Silverbell Landfill.

Gary Pitman asked about the time it takes for natural attenuation to take place. Jeff Drumm said that it has to be looked at geochemically, and it could take a couple years to 5-10 years, depending on what contaminants and microorganisms are there.

Sherri Zendri then presented on 1,4-dioxane, which was requested by the CAB at the last meeting. She said that 1,4-dioxane is not the same as dioxin, and 1,4-dioxane does not bioaccumulate, or stay in the body. She said that 1,4-dioxane was used as a solvent and solvent stabilizer, and could be found in trichloroethene (TCE), and in cosmetics, toiletries, food, indoor/outdoor ambient air, packaging adhesives, and pesticides. She said that it is a probable human carcinogen; there is currently no federal drinking water standard.

She said that URS collected samples in 2002 and found no detections of 1,4-dioxane at the Shannon Road/El Camino del Cerro WQARF Site. The TCE at the site is a degradation product of PCE, not a product by itself, so it is not expected to see 1,4-dioxane here. She said that there are no plans to sample for it again at the site, unless there is a reason to suspect that it may be there.

## **5. Call to the Public**

No one from the public wished to comment.

## **6. CAB Outreach Discussion/Membership Discussion**

Melissa Hayes said that she has been sending copies of the doorhangers for ADEQ site work to the CAB members. Gary Pitman asked CAB members what outreach techniques they had used that were successful in informing the community about the WQARF Site. He said that in most of what he had done has been met with resistance. Ellie Towne said that the Flowing Wells Neighborhood Association and Community Coalition meetings had been successful. Bill Ellett said he had some success working with schools and science classes. Melissa Hayes reminded the CAB of their outreach role, especially at milestones of the WQARF process, including the end of the Remedial Investigation.

## **7. Other Administrative Business**

Melissa Hayes announced that Matt Doolen, ADEQ Southern Regional Office Superfund Programs Unit Supervisor and Project Manager for the Miracle Mile and Park-Euclid WQARF Sites, had left ADEQ. She said that Bill Ellett was currently Acting Superfund Programs Unit Supervisor. She also introduced Tina Le Page, who is the new Project Manager for the Miracle Mile and Park-Euclid WQARF Sites.

## **8. Next Meeting Date/Agenda Discussion**

The next CAB meeting will be held on **Wednesday, September 13, 2006**, at the Nanini Library, large meeting room, 7300 N. Shannon Rd., Tucson, from 6:00 p.m. to 7:30 p.m. Call Melissa Hayes, ADEQ Community Involvement Coordinator, for meeting details and proposed agenda. The CAB discussed the agenda for the next meeting.

Suzy Bjerke requested a presentation on the other WQARF Sites in Arizona. Sherri Zendri will present on this at the next CAB meeting, and provide the CAB with a list of the budget allocations for each site along with the WQARF Registry Report for 2006. The CAB also requested an update on the site work that will be taking place at the former Wrecksperts property. Sherri Zendri added that the property owner granted access in large part through Matt Doolen's efforts, and that she had spent a lot of time working with the owner and property tenants.

**9. Adjournment**

The meeting was adjourned at 6:51 p.m. Ellie Towne motioned to adjourn the meeting; Al Pesqueira seconded the motion.

*This meeting was recorded on cassette tapes as a record of the proceedings. To listen to the tape, or for additional documents mentioned in these minutes, contact ADEQ's Southern Regional Office, Community Involvement Office, 520/628-6712.*

*Minutes prepared by: Melissa Hayes 8/18/06*  
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